

## ***Project Summary and Justification***

**Department** Public Works & Utilities

**Division** Wastewater

The Capital Improvement Program for the 2001-2007 period is a continuing and comprehensive effort to assure the proper collection and treatment of current and future general wastewater flows and loads in a manner that protects human health and the environment and that meets Federal and State of Nebraska Department of Environmental Quality (NDEQ) NPDES discharge permits and operating requirements.

### **Project 1 Subsidies. (Continuation, 502500)**

To provide for construction of mains larger than 8" in diameter residential, commercial, and industrial areas. Also, to subsidize mains in certain wastewater districts, new subdivisions, future growth areas, or other City projects.

### **Project 2 Preliminary Design and Engineering Support. (Continuation, 502610)**

Provide for preliminary design and review of unanticipated wastewater projects.

### **Project 3 Selected Replacement or Repair of Wastewater Facilities And/or Collectors. (Continuation, 700359)**

Provides for replacement, reconstruction, and/or repair of wastewater facilities and/or collectors that have served their useful lives and are in poor structural condition. Included are repairs to collectors and appurtenances to reduce infiltration and inflow into the system. Easements may be required.

### **Project 4 Selected Replacement or Repair of Manholes. (Continuation, 502720)**

To provide replacement and/or repair of selected manholes in the collection system that are in poor structural condition and particularly those manholes that contribute to infiltration and extraneous inflow into the system.

### **Project 5 Collection System Replacements/Repairs**

- a. Repair Sanitary Sewer - S. 16th to S. 17th, Van Dorn to Burr Street.
- b. Repair Sanitary Sewer - S. 26th to S. 27th, Washington to "A" Street.
- c. Repair Sanitary Sewer - N. 6th and Nance Street.
- d. Repair Sanitary Sewer - Repair Sanitary Sewer - N. 49th to N. 52nd, Holdrege to Aylesworth.
- e. Replace Sanitary Sewer - S. 40th and Faulkner Street.
- f. Replace Sanitary Sewer - N. 64th, Gregory to Bradley.
- g. Replace Sanitary Sewer - S. 55th and Lillibridge.
- h. Replace Sanitary Sewer - N. 44th to N. 48th on Cornhusker.
- I. Replace Sanitary Siphon - S. 75th and Pioneers.
- j. Replace Sanitary Sewer - East "O" Street Projects.
- k. Replace Standby Generator - Liftstation No. C-6, near West Industrial Lake Drive and Salt Creek.

***Project Summary and Justification (Continued)***

**Department** Public Works & Utilities

**Division** Wastewater

- l. Liftstation No. C-9 - Influent Grinding and Replace Personnel/Equipment Lift Elevator.
- m. Replace Liftstation No. C-12, near No. 66th and Burlington.

These collection system projects provide for necessary improvements and replacements to the wastewater collection system lines and liftstations to maintain service in these areas. Included are those lines that are in poor structural condition with deteriorated flow characteristics, corroded, or broken and are in need of replacement.

***TRUNK SEWER SYSTEM IMPROVEMENTS***

The following trunk and relief sewer projects provide for additional and future capacity by relieving overloaded and surcharging conditions in existing trunk lines due to Lincoln's continuing growth. Extending of the described trunk sewers in the various basins provides for meeting future growth and development needs of the City in these basins.

**Project 6 Salt Valley Basin - Relief Sewer Improvements. (Continuation, 502450)**

- a. Phase II.b. - Vine Street and Salt Creek to approximately S. 3rd and "K" Street.
- b. Phase V. - Pioneers Blvd. to Old Cheney Road.
- c. Upper Southeast Salt Creek - S. 27th and Yankee Hill Road to Rokeby Road.
- d. Phase III - S. 3rd and "K" Street to S. 3rd and Van Dorn Parkway.

**Project 7 Northeast Salt Creek Basin. N. 56th to N. 70th, north of Salt Creek.**

**Project 8 Little Salt Creek Basin. (Continuation, 502005 and 502006)**

- a. N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker.
- b. Extend Trunk Sewer - I-80 to approximately N. 14th and Wildcat Drive.

**Project 9 Antelope Creek Basin. (Continuation, 502142 and 502143)**

- a. Extend Trunk Sewer - S. 92nd and Pine Lake Road. to Hwy. #2.
- c. Construct Relief Sewer - S. 70th and Holmes Park Road.

**Project 10 Oak Creek Basin. (Continuation, 502940)**

- a. Phase IV. - North Bank Trunk Sewer Extension - N.W. 38th to N.W. 40th and Hwy. #34.

**Project 11 Beals Slough Relief Sewer Improvements. (Continuation, 700333, 700923, and 700924)**

- a. Extend Trunk Sewer - S. 65th and Pine Lake Road to S. 70th and Yankee Hill Road.

***Project Summary and Justification (Continued)***

**Department** Public Works & Utilities

**Division** Wastewater

- b. Relief Trunk Sewer - S. 14th to S. 56 on Hwy. #2.

**Project 12 West "O" Street Trunk Sewer Extension. (Continuation, 701019)**

- a. Extend Trunk Sewer - S.W. 40th to near N.W. 48th and I-80.

**Project 13 Lynn Creek Trunk Sewer Extension (relief sewer) - N. 1st and Harvest Drive to Barons Road.**

**Project 14 Stevens Creek Basin - Phase I. - NETP to approximately Hwy. #6.**

***TREATMENT FACILITIES***

New NPDES discharge permits for both facilities will further define limits and are anticipated for issuance in 2001 after NDEQ and stream water quality studies are completed. The noted treatment facility improvement projects for the Theresa and Northeast treatment facilities provide for additional growth and capacity, maintain proper and cost efficient treatment to meet current and future NPDES effluent discharge limits, flood protection of critical facilities, and other necessary improvements.

**Project 15 Theresa Street Improvements.**

- a. Liquid Waste Facility Improvements - New Grit Waste Handling Station.
- b. Grit Removal Basin Improvements. (Continuation, 700329)
- c. Disinfection Facilities Improvements. (Continuation, 700330)
- d. Aeration System Improvements. (Continuation, 700910)
- e. New Primary Clarifier. (Continuation, 502380)
- f. Nitrification Facilities. (Continuation, 502420)
- g. Solids Thickening Improvements.
- h. Anaerobic Digestion Improvements - New Digester.

***Odor and Corrosion Control Facilities***

- i. DAF Building and Primary Clarifiers 5 and 6. (Continuation, 701289)
- j. Facility Liftstation and Inlet Headworks. (Continuation, 701289)

Projects 15a., b., d., e., g., and h. provide for additional capacity to meet future loads and flows. Disinfection facility improvements, Project 15c., provides for ultra-violet light disinfection of the effluent prior to discharge. Construction of advanced treatment facilities (Project 15f.) for nitrification are necessary to reduce ammonia concentrations in the discharge to meet water quality standards and criteria for Salt Creek. Also, Project 15h. identifies addition of new anaerobic digester to meet future loads and flows. Reduction and control of odors at the facility are provided in Projects 15i. and j.

***Project Summary and Justification (Continued)***

**Department** Public Works & Utilities

**Division** Wastewater

**Project 16 Northeast Improvements.**

- a. Grit Removal Facilities Improvements.
- b. Solids Handling Improvements - Anaerobic Digester Modifications and Improvements. (Continuation, 502126)
- c. Replace Influent Bar Screening Equipment.
- d. Bio-Tower Upgrades and Improvements.
- e. Primary Clarifiers - Modifications and Improvements.
- f. Nitrification Facilities. (Continuation, 502510)

Improvement to grit removal and solids handling facilities for reducing generated volumes and improving the handling and anaerobic treatment of solids in a cost effective manner are included in Projects 16a. and b.

Also, projects 16a. through 16e. provide for replacement, upgrading, and improvements to unit processes to provide additional capacity to meet future service requirements, loads, and flows. Construction of advanced treatment facilities at Northeast for nitrification to reduce ammonia concentrations in the discharge are provided in Project 15f.

**Project 17 Electrical Control and Automation Improvements at Treatment Facilities. (Continuation, 502390)**

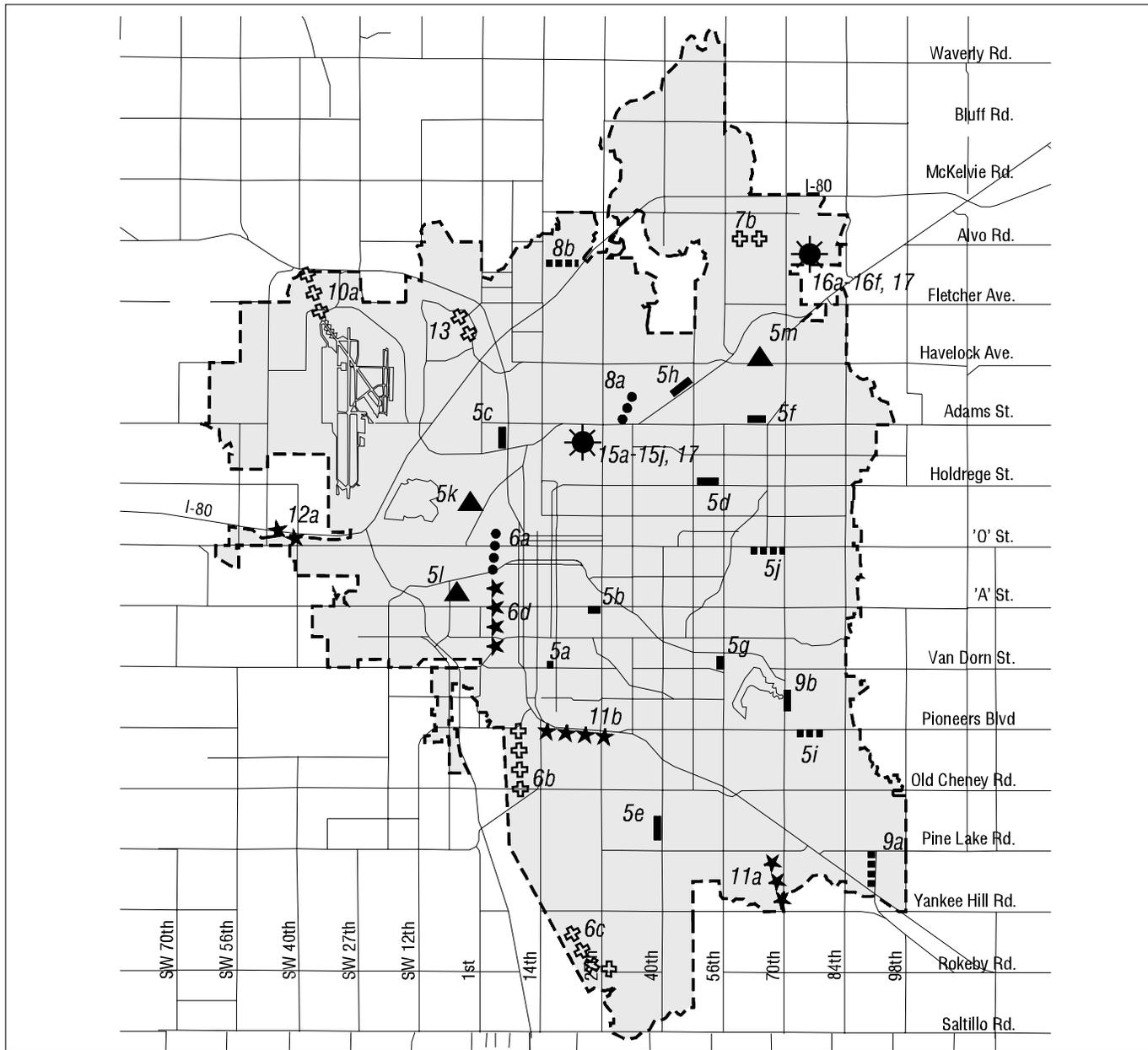
This project is a continuing effort to add considerable reliability to the control and electrical systems at the treatment facilities by providing upgrades to supervisory control and data monitoring of the treatment processes and related mechanical and electrical equipment to maintain treatment and improve operational efficiency.

**Project 18 Facilities Plan Update. (Continuation, 502390)**

Updates the current Facilities Master Plan for Wastewater to identify improvements to meet future wastewater and treatment needs of the users of the Lincoln Wastewater System in accordance with the City's continuing comprehensive planning efforts and to meet State and Federal regulatory operating requirements.

# Lincoln CIP 2001 - 2007

# Public Utilities Wastewater



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## Lincoln Year 2015 Service Limit Shown as Gray

Map prepared by  
City - Co. Planning Dept  
GIS Section



M I L E S  
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### Symbol for Fiscal Years

- 2001 - 2002
- ..... 2002 - 2003
- 2003 - 2004
- ○ ○ ○ ○ ○ 2004 - 2005
- ★ ★ ★ ★ ★ ★ 2005 - 2006
- ✚ ✚ ✚ ✚ ✚ ✚ 2006 - 2007



Treatment Plant  
Lift Station

*(Capital improvements often take many years to complete. The year shown on this map reflects the start up year or year of greatest activity. Consult the detailed project lists for further information on project scheduling and likely completion.)*

**List of Projects****Department: Public Works & Utilities / Wastewater**

Project Number	Project Title
(1.)	Subsidies. (Continuation, 502500)
(2.)	Preliminary Design and Engineering Support. (Continuation, 502610)
(3.)	Selected Replacement or Repair of Wastewater Facilities and/or Collectors. (Continuation, 700359)
(4.)	Selected Replacement or Repair of Manholes. (Continuation, 502720)
5.	Collection System Replacements/Repairs.
5a.	Repair Sanitary Sewer - S. 16th to S. 17th, Van Dorn to Burr Street.
5b.	Repair Sanitary Sewer - S. 26th to S. 27th, Washington to "A" Street.
5c.	Repair Sanitary Sewer - N. 6th and Nance Street.
5d.	Repair Sanitary Sewer - Repair Sanitary Sewer - N. 49th to N. 52nd, Holdrege to Aylesworth.
5e.	Replace Sanitary Sewer - S. 40th and Faulkner Street.
5f.	Replace Sanitary Sewer - N. 64th, Gregory to Bradley.
5g.	Replace Sanitary Sewer - S. 55th and Lillibridge.
5h.	Replace Sanitary Sewer - N. 44th to N. 48th on Cornhusker.
5i.	Replace Sanitary Siphon - S. 75th and Pioneers.
5j.	Replace Sanitary Sewer - East "O" Street Projects.
5k.	Replace Standby Generator - Liftstation No. C-6, near West Industrial Lake Drive and Salt Creek.
5l.	Liftstation No. C-9 - Influent Grinding and Replace Personnel/Equipment Lift Elevator.
5m.	Replace Liftstation No. C-12, near No. 66th and Burlington.
6.	Salt Valley Basin - Relief Sewer Improvements. (Continuation, 502450).
6a.	Phase II.b. - Vine Street and Salt Creek to approximately S. 3rd and "K" Street.
6b.	Phase V. - Pioneers Blvd. to Old Cheney Road.
6c.	Upper Southeast Salt Creek - S. 27th and Yankee Hill Road to Rokeby Road.
6d.	Phase III - S. 3rd and "K" Street to S. 3rd and Van Dorn Parkway.
7.	Northeast Salt Creek Basin - N. 56th to N. 70th, north of Salt Creek.
8.	Little Salt Creek Basin. (Continuation, 502005 and 502006)
8a.	N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker.
8b.	Extend Trunk Sewer - I-80 to approximately N. 14th and Wildcat Drive.
9.	Antelope Creek Basin. (Continuation, 502142 and 502143)
9a.	Extend Trunk Sewer - S. 92nd and Pine Lake Road to Hwy. #2.
9b.	Construct Relief Sewer - S. 70th and Holmes Park Road.
10.	Oak Creek Basin. (Continuation, 502940)
10a.	Phase IV. - North Bank Trunk Sewer Extension - N.W. 38th to N.W. 40th and Hwy. #34.
11.	Beals Slough Relief Sewer Improvements. (Continuation, 700333, 700923, and 700924)
11a.	Extend Trunk Sewer - S. 65th and Pine Lake Road to S. 70th and Yankee Hill Road.
11b.	Relief Trunk Sewer - S. 14th to S. 56 on Hwy. #2.
12.	West "O" Street Trunk Sewer Extension. (Continuation, 701019)
12a.	Extend Trunk Sewer - S.W. 40th to near N.W. 48th and I-80.
13.	Lynn Creek Trunk Sewer (relief sewer), N. 1st and Harvest Drive to Barons Road.
(14.)	Stevens Creek Basin - Phase I. - NETP to approximately Hwy. #6.
15.	Theresa Street Improvements.
15a.	Liquid Waste Facility Improvements - New Grit Waste Handling Station.
15b.	Grit Removal Basin Improvements. (Continuation, 700329)
15c.	Disinfection Facilities Improvements. (Continuation, 700330)
15d.	Aeration System Improvements. (Continuation, 700910)
15e.	New Primary Clarifier. (Continuation, 502380)
15f.	Nitrification Facilities. (Continuation, 502420)
15g.	Solids Thickening Improvements.
15h.	Anaerobic Digestion Improvements - New Digester.
15i.	DAF Building and Primary Clarifiers 5 and 6. (Continuation, 701289)
15j.	Facility Liftstation and Inlet Headworks. (Continuation, 701289)
16.	Northeast Improvements.
16a.	Grit Removal Facilities Improvements.
16b.	Solids Handling Improvements - Anaerobic Digester Modifications and Improvements. (Cont., 502126)
16c.	Replace Influent Bar Screening Equipment.
16d.	Bio-Tower Upgrades and Improvements.
16e.	Primary Clarifiers - Modifications and Improvements.
16f.	Nitrification Facilities. (Continuation, 502510)
17.	Electrical Control and Automation Improvements at Treatment Facilities. (Continuation, 502390)
(18.)	Facilities Plan Update. (Continuation, 701173)

\*Project number in parenthesis indicates project is not shown on the map.

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)							
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)							
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS	FS	FS
1.	SUBSIDIES. (Continuation, 502500)	A	126.0 UR	132.0 UR	139.0 UR	145.0 UR	153.0 UR	160.7 UR		
2.	PRELIMINARY DESIGN AND ENGINEERING SUPPORT. (Continuation, 502610)	A	24.1 UR	24.6 UR	25.1 UR	25.6 UR	26.1 UR	27.4 UR		
3.	SELECTED REPLACEMENT OR REPAIR OF WASTEWATER FACILITIES AND/OR COLLECTORS. (Continuation, 700359)	A	160.0 UR	300.0 UR	315.0 UR	948.9 UR	967.9 UR	987.3 UR		
4.	SELECTED REPLACEMENT OR REPAIR OF MANHOLES. (Continuation, 502720)	A	133.5 UR	136.2 UR	140.2 UR	143.0 UR	145.9 UR	148.8 UR		
5.	COLLECTION SYSTEM REPLACEMENTS/ REPAIRS.									
5a.*	Repair Sanitary Sewer - S. 16th & 17th - Van Dorn to Burr St.	A	30.0 UR							
5b.*	Repair Sanitary Sewer - S. 26th & 27th, St. Washington to 'A' St.	A	25.0 UR							
5c.*	Repair Sanitary Sewer - N. 6th & Nance St.	A	25.0 UR							
5.d.*	Repair Sanitary Sewers - N. 49th & 52nd St.-- Holdrege to Aylesworth	A	35.0 UR							
5e.*	Replace Sanitary Sewer - S. 40th & Faulkner St.	A	30.0 UR							
5f.*	Replace Sanitary Sewer - N. 64th Gregory to Bradely	A	25.0 UR							
5g.*	Replace Sanitary Sewer - S. 55 th & Lillibridge	A	20.0 UR							
5h.*	Replace Sanitary Sewer -N. 44th to 48th & Cornhusker Hwy.	A	50.0 UR							
5.i.*	Replace Sanitary Sewer Siphon - S. 75th & Pioneers	B		80.0 UR						
5.j.*	Replace Sanitary Sewer - East 'O' St. Projects	B		100.0 UR						
5.k.*	Replace Standby Generator - Liftstation No. C-6, near West Industrial Lake Drive and Salt Creek.	A	30.0 UR							
5l.	Liftstation No. C-9 - Influent Grinding and Replace Prsonnel/Equipment Lift Elevator	A	55.0 UR							
5m.*	Replace Lift Station C-12, Near 66th & Burlington	A	60.0 UR							

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2005-2006 (000's)	PRIOR APPROPRIATIONS (000's)	YEAR FS	TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.	
							PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH		OTHER (EXPLAIN)
855.7	Unknown	Continuous		855.7	GCP	1					855.7		1.
152.9	Unknown	Continuous		152.9	GCP	1	152.9						2.
3,679.1	Unknown	Continuous		3,679.1	GCP	1					3,679.1		3.
847.6	Unknown	Continuous		847.6	GCP	2					847.6		4.
													5.
30.0	Unknown	None		30.0	GCP	2		3.0			27.0		5a.*
25.0	Unknown	None		25.0	GCP	2		2.5			22.5		5b.*
25.0	Unknown	None		25.0	GCP	2		2.5			22.5		5c.*
35.0	Unknown	None		35.0	GCP	2		3.5			31.5		5d.*
30.0	Unknown	None		30.0	GCP	2		3.0			27.0		5e.*
25.0	Unknown	None		25.0	GCP	2		2.5			22.5		5f.*
20.0	Unknown	None		20.0	GCP	2		2.0			18.0		5g.*
50.0	Unknown	None		50.0	GCP	2		5.0			45.0		5h.*
80.0	Unknown	None		80.0	GCP	2		8.0			72.0		5i.*
100.0	Unknown	None		100.0	GCP	2		10.0			90.0		5j.*
30.0	Unknown	None		30.0	GCP	2		3.0			27.0		5k.*
55.0	Unknown	None		55.0	GCP	2		5.5			49.5		5l.
60.0	Unknown	None		60.0	GCP	2		6.0			54.0		5m.*

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)																	
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)																	
			2001-2002	FS	2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS						
	<b>TRUNK SEWER SYSTEM</b>																			
6.	SALT VALLEY BASIN - Relief Sewer(Con't 502450)																			
6.a.	Phase II.b. - Vine & Salt Creek to 3rd & "K" St.	A	300.0	UR	2,180.0	UR	2,350.0	RB												
6.b.	Phase V - Pioneers Blvd. to Old Cheney Rd.	B												200.0	UR			1,600.0	RB	
6.c.	Upper S.E. Salt Creek - 27th & Yankee Hill Rd. to Rokeby Rd.	B												200.0	UR					
6.d*	Phase III - 3rd & "K" St to 3rd VanDorn Parkway	B										390.0	RB	1,964.0	RB			3,090.0	RB	
7.	NORTHEAST SALT CREEK BASIN - 56th to 70th, north of Salt Creek.	C																		
	a. Preliminary Design							50.0	UR											
	b. Future Construction																		132.0	UR
8.	LITTLE SALT CREEK BASIN (Continuation, 502005 & 502006)																			
8a.	N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker	B			40.0	UR	400.0	RB												
8.b.	Extend Trunk Sewer - I-80 to approximately N. 14th and Wildcat Drive	A	35.0	UR	220.0	UR														
9.	ANTELOPE CREEK BASIN Continuation, 502142 & 502143)																			
9a.	Extend Trunk Sewer - S. 92nd & Pine Lake Road to Hwy. #2	B			48.0	UR														
					50.0	DC														
9b.	Construct Relief Sewer - S. 70th and Holmes Park Road	A	190.0	UR																
			190.0	DC																
10.	OAK CREEK BASIN (Continuation 502940)																			
10a.	Phase IV - North Bank Trunk Sewer Extension - NW 38th to NW 40th and Hwy. #34	C			60.0	UR					490.0	RB	325.0	RB			330.0	RB		
11.	BEALS SLOUGH BASIN - Relief Sewer Improvements (Continuation 700333,923 & 924)																			
11a.	Extend Trunk - S. 65th and Pine Lake Rd. to S. 70th and Yankee Hill Road	C												80.0	RB					
11.b.*	Relief Trunk Sewer - S.14th to S.56th & Hwy #2	C												160.0	UR					
12.	WEST "O" ST. TRUNK SEWER EXTENSION (Continuation 701019)																			
12a.	Extend Trunk Sewer - Southwest 40th to near Northwest 48th and I-80.	C						50.0	UR	1,000.0	RB	369.0	UR	201.0	RB					
13.*	LYNN CREEK TRUNK SEWER (relief sewer) 1st & Harvest Dr. to Barons Road	C																	180.0	UR
14.	STEVENS CREEK BASIN - Ph I - NETP to Hwy. 6	C																		
	a. Preliminary Design Study							300.0	UR											
	b. Future Construction																			

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2005-2006 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	
4,830.0	13,700.0	11,915.2	88-01	30,445.2	ICWP	2, 6		360.0	100.0	4,370.0		6.
1,800.0	2,700.0	None		4,500.0	ICWP	2, 6		200.0	120.0	1,480.0		6.a.
200.0	1,900.0	None		2,100.0	ICWP	2, 7		150.0	50.0			6.b.
5,444.0	2,300.0	None		7,744.0	ICWP	2, 6	50.0	390.0	150.0	4,854.0		6.c.
50.0	Unknown	None		50.0	GCP	2	50.0					6.d*
132.0	11,200.0	None		11,332.0	GCP	2		132.0				7.
440.0	Unknown	None		440.0	ICWP	2		44.0		396.0		8.
375.0	420.0	250.0	96-01	1,045.0	ICWP	2		37.5		337.5		8a.
												8.b.
												9.
98.0	Unknown	143.7	95-01	241.7	GCP	2, 6		9.8		88.2		9a.
380.0	Unknown	None		380.0	ICWP	2, 6		38.0		342.0		9b.
												10.
1,205.0	3,400.0	2,284.2	90-01	6,889.2	GCP	2	30.0	120.5	30.0	1,024.5		10a.
												11.
80.0	Unknown	1,009.0	97-01	1,089.0	ICWP	2, 6		80.0				11a.
160.0	6,000.0	None		6,160.0	GCP	2	160.0					11.b.*
												12.
1,620.0	Unknown	1,630.0	99-01	3,250.0	GCP	2	50.0	162.0	100.0	1,308.0		12a.
180.0	Unknown	None		180.0	GCP	2		18.0		162.0		13.*
												14.
300.0		None		300.0	GCP	2	80.0	220.0				
	4,500.0			4,500.0								



2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)							
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)							
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS		
	TREATMENT FACILITIES									
15.	THERESA STREET IMPROVEMENTS									
15a.	Liquid Waste Facility Improvements - New Grit Waste Handling Station.	B	200.0 UR							
15b.	Grit Removal Basin Improvements (Continuation, 700329)	B	350.0 UR	1,750.0 UR	2,000.0 RB					
15c.	Disinfection Facilities Improvements (Continuation, 700330)	A	1,100.0 UR							
15d.	Aeration System Improvements (Cont. 700910)	A	2,200.0 UR							
15e.	New Primary Clarifier (Continuation 502380)	C				265.0 UR		640.0 RB		
15f.	Nitrification Facilities (Continuation, 502420)	A	2,200.0 UR	2,970.0 UR	2,750.0 RB 170.0 UR	2,320.0 RB		2,290.0 RB		3,200.0 RB
15g.	Solids Thickening Improvements	C						66.0 UR		600.0 UR
15h.*	Anaerobic Digestion Improvements - New Digesters	C								280.0 RB 20.0 UR
	Odor and Corrosion Control Facilities (Continuation, 701289)									
15i.	DAF Building and Primary Clarifiers 5 and 6	B	820.0 UR	1,460.0 UR						
15j.	Facility Liftstation and Inlet Headworks	B			120.0 UR	494.0 UR				

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2005-2006 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	
												15.
200.0	Unknown	None		200.0	GCP	2, 6		20.0		180.0		15a.
4,100.0	Unknown	18.0	97-01	4,118.0	GCP	2, 6		410.0		3,690.0		15b.
1,100.0	3,309.0	1,064.0	97-01	5,473.0	GCP	2, 7		110.0		990.0		15c.
2,200.0	Unknown	2,897.0	98-01	5,097.0	GCP	2, 7		220.0		1,980.0		15d.
905.0	4,150.0	1,102.0	95-01	6,157.0	GCP	2, 6		90.5		814.5		15e.
15,900.0	3,200.0	5,983.4	91-01	25,083.4	GCP	2, 6		969.9		14,930.1		15f.
666.0	8,040.0	None		8,706.0	GCP	2		66.6		599.4		15g.
300.0	5,000.0	None		5,300.0	GCP	2		300.0				15h.*
2,280.0	Unknown	170.0	99-01	2,450.0	GCP	2		182.4		2,097.6		15i.
614.0	Unknown	None		614.0	GCP	2		49.1		564.9		15j.

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)					
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)					
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS
16.	<b>NORTHEAST IMPROVEMENTS</b>							
16a.	Grit Removal Facilities Improvements	B			220.0 UR	452.0 UR 300.0 RB		
16b.	Solids Handling Improvements - Anaerobic Digester Modifications & Improvements (Continuation, 502126)	A	3,600.0 UR					
16c.	Replace Influent Bar Screening Equipment	B		460.0 UR				
16d.	Bio-Tower Upgrades and Improvements	C					50.0 UR	240.0 UR
16e.	Primary Clarifiers - Modifications & Improvements	C					80.0 UR	
16f.	Nitrification Facilities (Continuation, 502510)	A	700.0 UR	600.0 UR	500.0 UR			
17.	ELECTRICAL CONTROL AND AUTOMATION IMPROVEMENTS AT TREATMENT FACILITIES (Continuation 502390)	C		100.0 UR		110.0 UR		
18.	FACILITIES PLAN UPDATE (Continuation 701173)	C					100.0 UR	
	<b>FUNDING SOURCE BREAKDOWN:</b>							
	DC (Developer Contribution)		190.0	170.0	0.0	0.0	0.0	0.0
	OF (Other Financing)		0.0	0.0	0.0	0.0	0.0	0.0
	UR (Utility Revenues)		12,523.6	10,660.8	2,029.3	2,583.5	2,517.9	2,496.2
	RB (Revenue Bonds)		0.0	0.0	7,500.0	4,500.0	5,500.0	8,500.0
	<b>DIVISION TOTAL</b>		12,713.6	10,830.8	9,529.3	7,083.5	8,017.9	10,996.2

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2005-2006 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	
												16.
972.0	Unknown	None		972.0	GCP	2		97.2		874.8		16a.
3,600.0	1,266.0	1,250.0	96-01	6,116.0	GCP	2, 7				3,600.0		16b.
460.0	Unknown	None		460.0	GCP	2		36.8		423.2		16c.
290.0	940.0	None		1,230.0	GCP	2		50.0				16d.
80.0	Unknown	None		80.0	GCP	2		80.0				16e.
1,800.0	Unknown	3,450.0	91-01	5,250.0	GCP	2		144.0		1,656.0		16f.
210.0	375.0	2,900.0	91-01	3,485.0	GCP	2		21.0		189.0		17.
100.0	240.0	220.0	90-01	560.0	GCP	2					100.0 (Studies)	18.
360.0												
0.0												
32,811.3												
26,000.0												
59,171.3												